

### **REMARKS**

Applicant expresses appreciation to the Examiner for consideration of the subject patent application. This amendment is in response to the Office Action mailed April 19, 2005. Claims 1-34 were rejected. Claims 1-34 were originally presented. Claims 1-34 remain in the application.

#### **Claim Rejections - 35 U.S.C. § 103**

Claims 1-7, 10-16, 21-23, and 27-29 (including independent claims 1 and 29) were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent Application Publication 2002/0138162 to Lee (hereinafter "Lee") in view of U.S. Patent Application Publication 2002/0078149 to Chang et al. (hereinafter "Chang"). The following remarks are directed primarily to independent claims 1 and 29, with the understanding that once an independent claim is allowable, all claims depending therefrom are allowable

Without admitting that the combination of the Lee and Chang references is proper, when combined, the references do not teach or suggest all of the elements of the claims in the application. Specifically, Lee fails to teach a "*concurrency device*" as claimed in claim 1 and Chang fails to overcome that deficiency. As defined in the specification at page 5, lines 1-5, a concurrency device enables sharing of a single processor between several independent jobs, e.g. through multi-tasking, multi-processing, multiprogramming, or process scheduling. In contrast, Lee only shows the use of a wireless receiver to allow interconnection of a single wireless keyboard and single wireless mouse (FIG. 1; page 1, paragraph 0008-0009). Furthermore, communication of a concurrency device with a plurality of multiple ultra-thin clients is not disclosed, as Lee teaches only a one-way wireless link from a single keyboard/mouse transmitter to a receiver at the processor (page 1, paragraph 0008-0010; page 3, paragraph 0033). Chang also fails to disclose a concurrency device as claimed. Although Chang teaches sharing an output device in a network (FIG. 1; page 11, paragraph 0170), Chang does not teach using a *concurrency device* to share a processing center among multiple ultra-thin clients. Neither Lee or Chang therefore enable sharing a processing center by multiple ultra-thin clients. As the cited

references fail to disclose all of the limitations of claim 1, claim 1 is therefore allowable. Claim 29 contains similar limitations as claim 1, and is therefore similarly allowable.

Moreover, Applicant respectfully submits that combining the teachings of Lee and Chang is improper. The Office Action has asserted that it would be obvious to one of skill in the art to combine the teachings of Lee and Chang because “that would allow users to output to an output device with or without connection to a static network.” In contrast, the present invention is directed towards sharing a processing center by multiple ultra-thin clients. There is no motivation to seek out modification of either Lee or Chang to provide for such sharing. Lee discloses a complete system, coupling a single keyboard and single mouse to the processor (page 1, paragraph 0008-0009). Similarly, Chang discloses a network system where each client is equipped with a processor (page 5, paragraph 0071). As neither Lee nor Chang teach a need for sharing a processing center, one of skill in the art would have no motivation to modify or combine the teachings of Lee or Chang to provide for sharing a processing center.

Dependent Claims 2-7, 10-16, 21-23, and 27-29, are dependent from claim 1 and being narrower in scope are allowable for at least the reasons for which claim 1 is allowable.

Dependent Claims 8, 9, 17-20, 24-26, and 30-34 were rejected under 35 U.S.C. 103(a) as being unpatentable over Lee and Chang in view of U.S. Patent Application Publication 2001/0049276 to Beck. As noted above, dependent claims 2-29 and 30-34, being narrower in scope, are allowable for at least the reasons for which the independent claims are allowable.

Therefore, Applicant respectfully submits that claims 1-34 are allowable, and urges the Examiner to withdraw the rejection.

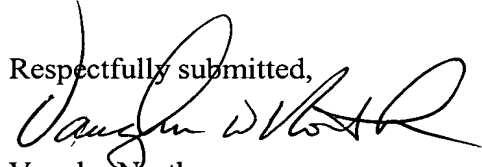
### CONCLUSION

In light of the above, Applicant respectfully submits that pending claims 1-34 are now in condition for allowance. Therefore, Applicant requests that the rejections and objections be withdrawn, and that the claims be allowed and passed to issue. If any impediment to the allowance of these claims remains after entry of this Amendment, the Examiner is encouraged to call Vaughn North at (801) 566-6633 so that such matters may be resolved as expeditiously as possible.

The Commissioner is hereby authorized to charge any additional fee or to credit any overpayment in connection with this Amendment to Deposit Account No. 08-2025.

DATED this 19th day of July, 2005.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Vaughn North", written over the typed name.

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